| Index of Claims                      | Application/Control No. | Applio<br>Reexa |
|--------------------------------------|-------------------------|-----------------|
| 1   18   18   18   18   18   18   18 | 10/676,173              | QUIN            |
|                                      | Examiner                | Art Ur          |
|                                      | William K. Cheung       | 1713            |

| Applicant(s)/Pate<br>Reexamination | nt under |
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| QUINN ET AL.                       |          |
| Art Unit                           |          |
| 1                                  |          |

|               |                | √ Reject   |          | ecte     | ∌d   |              |                 | (7           | (Through numeral)<br>Cancelled |          |  |                   |                                 |          | N        | No       | n-E      | lec   | ted      |            | A        | Appeal          |         |          |          |          |          |          |
|---------------|----------------|------------|----------|----------|--|--------------|-----------------|--------------|--------------------------------|----------|--|-------------------|---------------------------------|----------|----------|----------|----------|-------|----------|------------|----------|-----------------|---------|----------|----------|----------|----------|----------|
|               |                | = Allowed  |          |          | d  |              | ÷               |              | Restricted                     |          |  |                   |                                 |          |          | Int      | erfe     | erer  | nce      |            | 0        | Objected        |         |          |          |          |          |          |
| Claim         |                | Date       |          |          |  |              |                 |              | Claim                          |          |  |                   |                                 | ate      | -        |          |          | ١     | Claim    |            |          |                 |         | Dat      |          |          |          |          |
|               |                | ,          |          |          | П  |              | П               |              |                                | T        |  | П                 |                                 | Ī        | П        |          | T        | 1     |          |            |          | П               | Т       |          |          |          | $\sqcap$ |          |
| Final         | Original       | 11/3/06    |          |          |  |              |                 |              | Final                          | Original |  |                   |                                 |          |          |          |          |       | Final    | Original   |          |                 |         |          |          |          |          |          |
|               | 1              | 1          |          |          |  |              | Ш               | _            |                                | 51       |  |                   |                                 |          |          |          |          |       |          | 101        |          |                 | $\perp$ |          |          |          | $\Box$   |          |
|               | X              | L.         |          | _        |  | ┦_           | $\sqcup$        | _            | <u> </u>                       | 52       | $oxed{oxed}$                                     |                   |                                 |          | _        | _        | _ _      | _     |          | 102        |          | $\sqcup \bot$   | 丄       | 上        |          |          |          |          |
|               | 3              | 1          | Ц.       | -        | <del>     </del>                                 | ╄            | Ш               | -4:::        | <u> </u>                       | 53       | $\sqcup \bot$                                    | $\sqcup$          | $\sqcup$                        | 4        | 4        |          | 4_       | 4     |          | 103        | L        | $\sqcup$        | ╀       | 1_       |          |          | $\dashv$ |          |
|               | 4_             | 1          |          | <u> </u> |  | 4            | <b>↓</b> ↓      | _            | <u> </u>                       | 54       | <b></b>  | $\perp$           | $\Box$                          | _        | 4        | $\dashv$ | _        | 4     |          | 104        |          | $\sqcup \bot$   | 4       |          | _        |          | $\dashv$ |          |
|               | 5              | N          |          | $\perp$  | $\perp$  | ┷            | $\sqcup \bot$   | <b>—</b> !!! | <u> </u>                       | 55       | $oxed{oxed}$                                     | 1                 | 4                               | _        | 4        |          | _        | 4     |          | 105        |          | $\sqcup$        | 4       | 1_       | Ш        |          |          |          |
|               | _6             | N          |          | 1        | $\vdash$   | ┼            | $\vdash$        | -            | <b> </b>                       | 56       | $\vdash$   | 1                 | 4                               | _        | 4        | $\dashv$ | _        | J     |          | 106        |          |                 | $\bot$  | 1        | Щ        |          | $\dashv$ | _        |
|               | Ž              | <b>.</b> , |          | 1        | $\vdash$   |              | $\vdash$        | -4           | <u> </u>                       | 57       | ⊢-   | 4                 | 4                               | _        | 4        | -        | -        | 4     |          | 107        |          | $\vdash$        | ┿       | ╄-       | Ш        |          |          | _        |
|               | 8              | √,         | $\perp$  | ╄        |  | —            | $\sqcup$        | -4::         | <u> </u>                       | 58       |  | +                 | -                               | $\perp$  | 4        | +        | _        | 4     |          | 108        |          |                 | +       | $\perp$  | _        |          |          |          |
|               | 9              | _          |          | ╀        | $\vdash$   | +-           | ╌               | -4:::        | <u> </u>                       | 59       | ⊢-   | $\vdash$          | $\dashv$                        | +        | 4        | -        |          | -     |          | 109        | _        | $\vdash$        | +       | ┼        | Ш        | $\dashv$ | $\dashv$ |          |
|               | 10             | N          |          | -        | <del>-</del> -                                   |              | <del> </del>  - |              | ļ                              | 60       | $\vdash$   | +                 | $\rightarrow$                   | $\dashv$ | 4        |          |          | 4     |          | 110        |          | Н.              | +       | ╄        | Н        |          | $\dashv$ | 긕        |
|               | 11<br>12       | N          |          | ╁        |  | +            | $\vdash$        | $\dashv$     | -                              | 61       | ⊢-   | +                 |                                 | 4        | 4        |          |          | 4     |          | 111        | <u> </u> | ⊢⊦-             | +       | ┼-       | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
|               | 18             | -          | +        | ╀        | $\vdash$   | +-           |                 |              | -                              | 62       | $\vdash$   | +                 | $\stackrel{\cdot}{\rightarrow}$ | +        | +        | +        |          | -     | <u> </u> | 112        | -        |                 | +       | ╀        | Н        | $\dashv$ |          | $\dashv$ |
|               | 14             | -          |          | ╀        | $\vdash$   | +-           | ╁               | :::          | <u> </u>                       | 63       | <del>                                     </del> | +                 | $\dashv$                        | $\dashv$ | 4        |          | +        | -     |          | 113        | _        | ┝               | +       | ╄        | Н        | $\dashv$ | $\dashv$ |          |
|               | 15             | Н          |          | ╄        | $\vdash$   | +            | ╁               | - :::        | ⊩                              | 64       | $\vdash$   | +                 |                                 | -        | +        | +        | +        | -     |          | 114        |          | $\vdash$        | +       | ┼-       | -        | $\dashv$ | $\dashv$ | $\dashv$ |
|               | 16             | Н          | -        | ┼        | $\vdash$   | +            | ╁┼              | $\dashv$     | <b> </b>                       | 65<br>66 |  | +                 | $\dashv$                        | +        | +        | $\dashv$ | +        | -     |          | 115<br>116 |          | $\vdash$        | +       | ┼        | $\vdash$ |          | $\dashv$ | $\dashv$ |
|               | 7              | Н          |          | +        | <del>                                     </del> | +-           | $\vdash$        | -            | -                              | 67       | $\vdash$   | ╁╌┨               | -                               | +        | +        |          | +-       | -     | -        | 117        |          | ⊢⊢              | ┿       | ╆        | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
|               | 18             |            | -        | ╁        |  | +-           | $\vdash$        |              | -                              | 68       | <del>                                     </del> | ╁                 | $\dashv$                        | -+       | +        | $\dashv$ | +        | -     |          | 118        |          | -               | ┿       | ╁        | Н        |          | $\dashv$ | $\dashv$ |
|               | 19             | -          |          | ╁        | $\vdash$   | +            | ++              | -            | -                              | 69       | ┝┼╌  | ╁╌┨               | $\vdash$                        | +        | -        | -+-      |          | -     |          | 119        |          | $\vdash$        | +       | ╁        | Н        | $\dashv$ | $\dashv$ | ᅥ        |
|               | <del>2</del> 0 | Н          |          | ╁        | -  | +            | $\vdash$        |              | <b> </b>                       | 70       | $\vdash$   | +                 | -                               | $\dashv$ | +        | +        |          | -     |          | 120        |          | $\vdash$        | ╫       | ╁        | -        | $\dashv$ | $\dashv$ | 一        |
| -             | <u> </u>       | Н          | -        | ╁        | $\vdash$   | +            | ╁               |              | 1                              | 71       |  | +                 | $\dashv$                        | +        | +        | +        | +        | -     |          | 121        | _        | $\vdash$        | +       | ╁        | H        | $\dashv$ | $\dashv$ | $\dashv$ |
| _             | 22             | Н          |          | +        | $\vdash\vdash$                                   | +            | $\vdash$        |              | -                              | 72       | $\vdash$   | +-                | $\dashv$                        | +        | +        | +        | +-       | -     | _        | 122        |          |                 | ┿       | ╁        | Н        | $\dashv$ | $\dashv$ | ㅓ        |
| _             | 28             | Н          |          | $\vdash$ |  | +            | $\vdash$        |              | -                              | 73       | <del>                                     </del> | + +               | $\dashv$                        | +        | +        |          | +-       | 1     |          | 123        |          | -               | +       | +        | H        | $\dashv$ | $\dashv$ | $\dashv$ |
| _             | 2              |            | $\dashv$ | $\vdash$ |  | +            | ╁┼              | -            | -                              | 74       |  | +                 | -                               | +        | +        |          | ┰        | 1     |          | 124        | Н        | $\vdash$        | +       | +        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
| -             | 26             | Н          | $\dashv$ | +-       |  | +            | ╁               | -            | -                              | 75       | $\vdash$   | +                 | -                               | +        | $\dashv$ | $\dashv$ | ╫        | -     |          | 125        | Н        | +               | ╅       | ╁        | Н        | -        | $\dashv$ | ⊣        |
|               | 26             | H          | $\dashv$ | +-       | $\vdash$   | +            | $\vdash$        |              | -                              | 76       | $\vdash$   | ╁┤                | -+                              | +        | ╅        | -        | +        | -     |          | 126        | $\vdash$ |                 |         | ╁╾       |          | $\dashv$ | $\dashv$ | $\dashv$ |
| _             | 27             | H          | $\dashv$ | 十        |  | +            |                 | -            | -                              | 77       |  | +                 | $\neg \dagger$                  | $\dashv$ | ╅        | +        | +        | 1     |          | 127        |          | $\vdash$        | +       | ╁╌       | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|               | 28             | П          | $\neg$   | ╁        |  | $\dagger$    | $\vdash$        | -            |                                | 78       |  | +                 | -+                              | $\dashv$ | 7        | $\dashv$ | +        | 1     |          | 128        |          |                 | +       | t        | $\vdash$ | $\dashv$ | $\dashv$ |          |
|               | 29             | П          | $\neg$   | T        |  | $\dagger$    | 1 1             | -            | -                              | 79       |  | +                 | $\neg$                          | $\dashv$ | +        | $\dashv$ | +        | 1     |          | 129        | $\vdash$ | H               | +       | +        | Н        | $\dashv$ | $\dashv$ |          |
|               | 30             | П          | $\top$   |          |  | 1            |                 | -            |                                | 80       |  |                   | $\neg$                          | _        | ┪        | 十        | $\top$   |       |          | 130        | $\neg$   |                 | +       | $t^-$    | Н        | $\dashv$ | $\dashv$ |          |
| $\neg$        | 3              | П          |          |          |  | 1-           |                 | -            |                                | 81       | <del>                                     </del> |                   | 寸                               | $\top$   | 7        | $\dashv$ | $\dashv$ | 1     |          | 131        | -        | $\vdash$        | +       | t        |          | $\neg$   | Ħ        | $\neg$   |
|               | 32             | П          | $\top$   |          |  | 1            |                 |              | -                              | 82       |  | 11                | 十                               | 十        | 1        |          | 1        | 1     |          | 132        | -        |                 | +       | T        | Н        | _        | $\neg$   | _        |
|               | 33             | П          |          |          |  | 1            |                 |              | -                              | 83       |  | $\vdash$          | 十                               | $\top$   | 7        | $\neg +$ |          | 1     |          | 133        |          | $\vdash$        | 十       | <u> </u> | П        | $\dashv$ | 7        |          |
|               | 34             | $\Box$     |          |          |  | 1            | $\sqcap$        | <b>-</b>     |                                | 84       |  | $\sqcap$          | _                               | $\dashv$ | $\top$   | $\top$   | 1        | 1     |          | 134        | $\Box$   |                 | 十       | T        | H        | $\dashv$ | $\dashv$ | ᅥ        |
| $\neg$        | 35             | $\Box$     |          |          |  | $\top$       | $\sqcap$        |              |                                | 85       |  | $\dagger \dagger$ | $\dashv$                        | $\top$   | $\top$   | $\top$   | $\top$   | 1:::: |          | 135        | М        |                 | $\top$  | T        | М        | $\dashv$ | $\dashv$ | $\dashv$ |
|               | 35             | $\Box$     | $\neg$   | Π        |  | T            | $\sqcap$        |              |                                | 86       |  | $\top$            | 十                               | 十        | 7        | $\top$   | 1        | 1     |          | 136        | П        |                 | $\top$  | $\top$   | П        | 7        | 一        | $\neg$   |
|               | 37             |            | •        | Π        |  | $\uparrow$   |                 | 7            |                                | 87       |  | 17                | $\dashv$                        | 十        | 7        | $\dashv$ | $\top$   | 1     |          | 137        | П        | $\vdash$        | $\top$  | T        |          | ヿ        | $\dashv$ | $\dashv$ |
|               | 3₿             | П          |          |          |  | T            |                 | 7            |                                | 88       | $\sqcap$   |                   | 7                               | 十        | ヿ        | 十        |          | 1     |          | 138        |          | $\neg \uparrow$ | $\top$  | T        |          | 寸        | 寸        | $\dashv$ |
|               | 3 <b>þ</b>     | $\Box$     |          |          |  | T            |                 |              |                                | 89       |  |                   | $\dashv$                        | T        | ✝        | 十        | $\top$   | 1     |          | 139        | П        | 1               | $\top$  | T        | П        | ヿ        | $\dashv$ | 一        |
|               | 4b             | $\sqcap$   |          | T-       |  | $\top$       |                 |              |                                | 90       |  | 1                 | 寸                               | 7        | 十        | $\top$   | 1        | 1     |          | 140        |          | $\vdash$        | T       | $\top$   | П        | $\dashv$ | $\dashv$ | ᅱ        |
| $\overline{}$ | 4              |            |          | 1        |  | <del> </del> | <del>-  -</del> |              | :                              | 04       | $\vdash$   | 1-1               | $\neg$                          | $\neg$   | +        | $\dashv$ |          | 1:::: |          | 444        |          |                 | +-      | +        | М        | $\dashv$ | -+       | $\dashv$ |